

Title (en)  
DISCOVERING AN EMBEDDED SUBSCRIBER IDENTIFICATION MODULE ROOT DISCOVERY SERVICE ENDPOINT

Title (de)  
ENTDECKUNG EINES ROOT-ENTDECKUNGSDIENSTENDPUNKTES EINES EINGEBETTETEN TEILNEHMERIDENTIFIZIERUNGSMODULS

Title (fr)  
DÉCOUVERTE D'UN POINT D'EXTRÉMITÉ DE SERVICE DE DÉCOUVERTE DE RACINE DE MODULE D'IDENTIFICATION D'ABONNÉ INTÉGRÉ

Publication  
**EP 4098010 A1 20221207 (EN)**

Application  
**EP 21746205 A 20210616**

Priority  
• US 202063039955 P 20200616  
• US 2021037564 W 20210616

Abstract (en)  
[origin: US2021392488A1] A method includes receiving a request to provision an embedded subscriber identity module (eSIM) profile to an eSIM-enabled device. The request includes a proxy eSIM identifier (EID) prefix. The eSIM profile is associated with a service provider of a mobile communication service a user of the device subscribes to. The method also includes determining whether the proxy EID prefix includes an address of a target discovery server the device is configured to connect to, and when the proxy EID prefix includes the address the method includes extracting the address of the target discovery server from the proxy EID prefix. Using the extracted address of the target discovery server, the method also includes registering a discovery event with the target discovery server indicating that the service provider has reserved the eSIM profile to the proxy EID or an actual EID assigned to the device.

IPC 8 full level  
**H04W 12/30** (2021.01); **H04W 12/40** (2021.01); **H04W 12/71** (2021.01); **H04W 12/79** (2021.01)

CPC (source: EP KR US)  
**H04W 4/50** (2018.02 - KR US); **H04W 8/183** (2013.01 - KR US); **H04W 12/35** (2021.01 - EP KR); **H04W 12/40** (2021.01 - EP KR); **H04W 88/182** (2013.01 - KR); **H04L 2101/30** (2022.05 - EP); **H04L 2101/33** (2022.05 - EP KR); **H04L 2101/659** (2022.05 - KR); **H04L 2101/672** (2022.05 - EP); **H04W 12/71** (2021.01 - EP); **H04W 12/77** (2021.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 11696116 B2 20230704; US 2021392488 A1 20211216**; CN 115943654 A 20230407; EP 4098010 A1 20221207; JP 2023530878 A 20230720; KR 20220162752 A 20221208; US 12048061 B2 20240723; US 2023345228 A1 20231026; WO 2021257659 A1 20211223

DOCDB simple family (application)  
**US 202117348865 A 20210616**; CN 202180043327 A 20210616; EP 21746205 A 20210616; JP 2022574609 A 20210616; KR 20227037819 A 20210616; US 2021037564 W 20210616; US 202318344761 A 20230629